FIG. 1

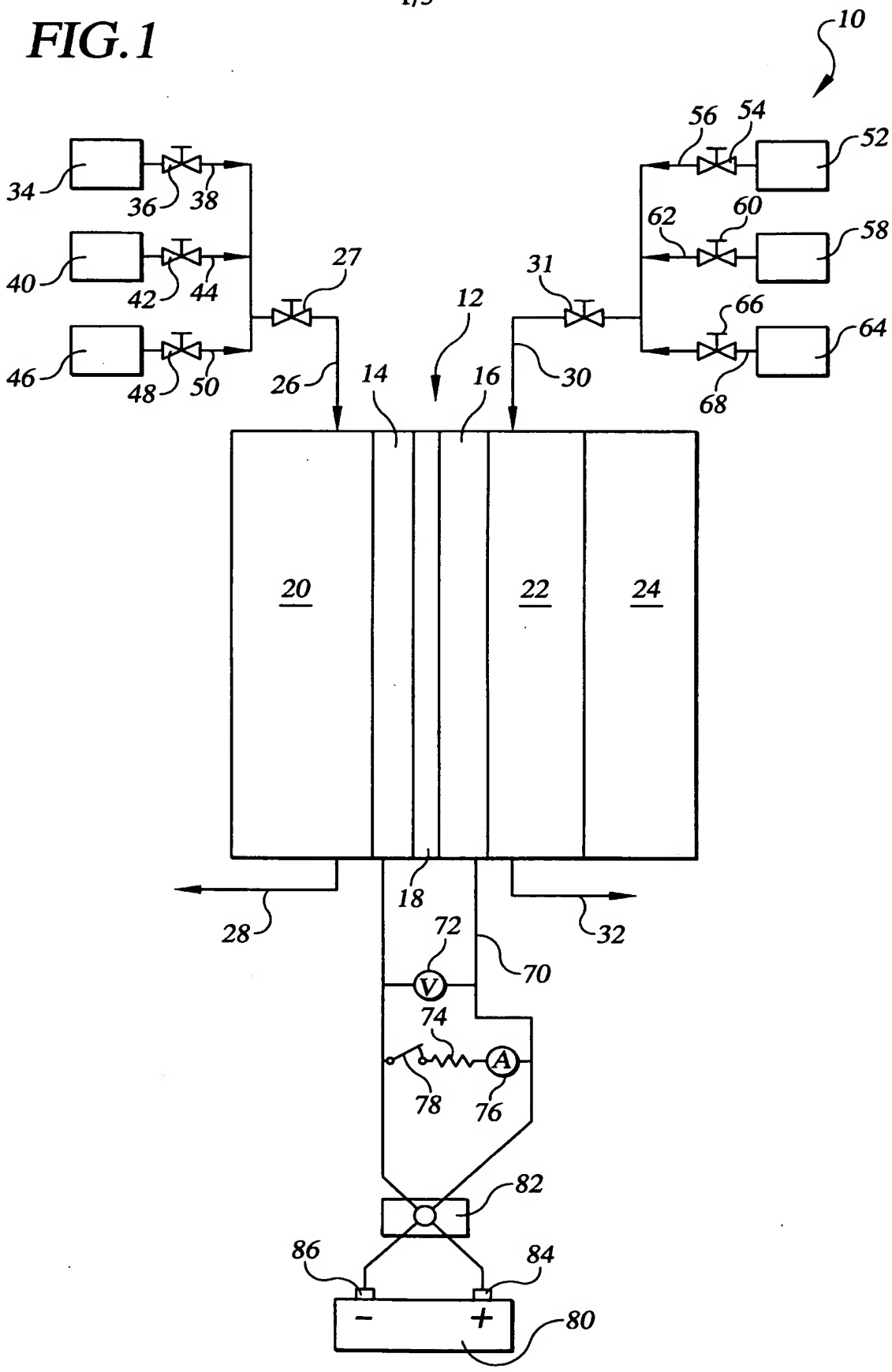

10
56
54
52
34
36
38
62
60
58
40
42
44
27
31
12
66
64
46
48
50
26
14
16
30
68
20
22
24
18
28
32
72
70
V
74
A
78
76
82
86
84
80
−
+

FIG.2

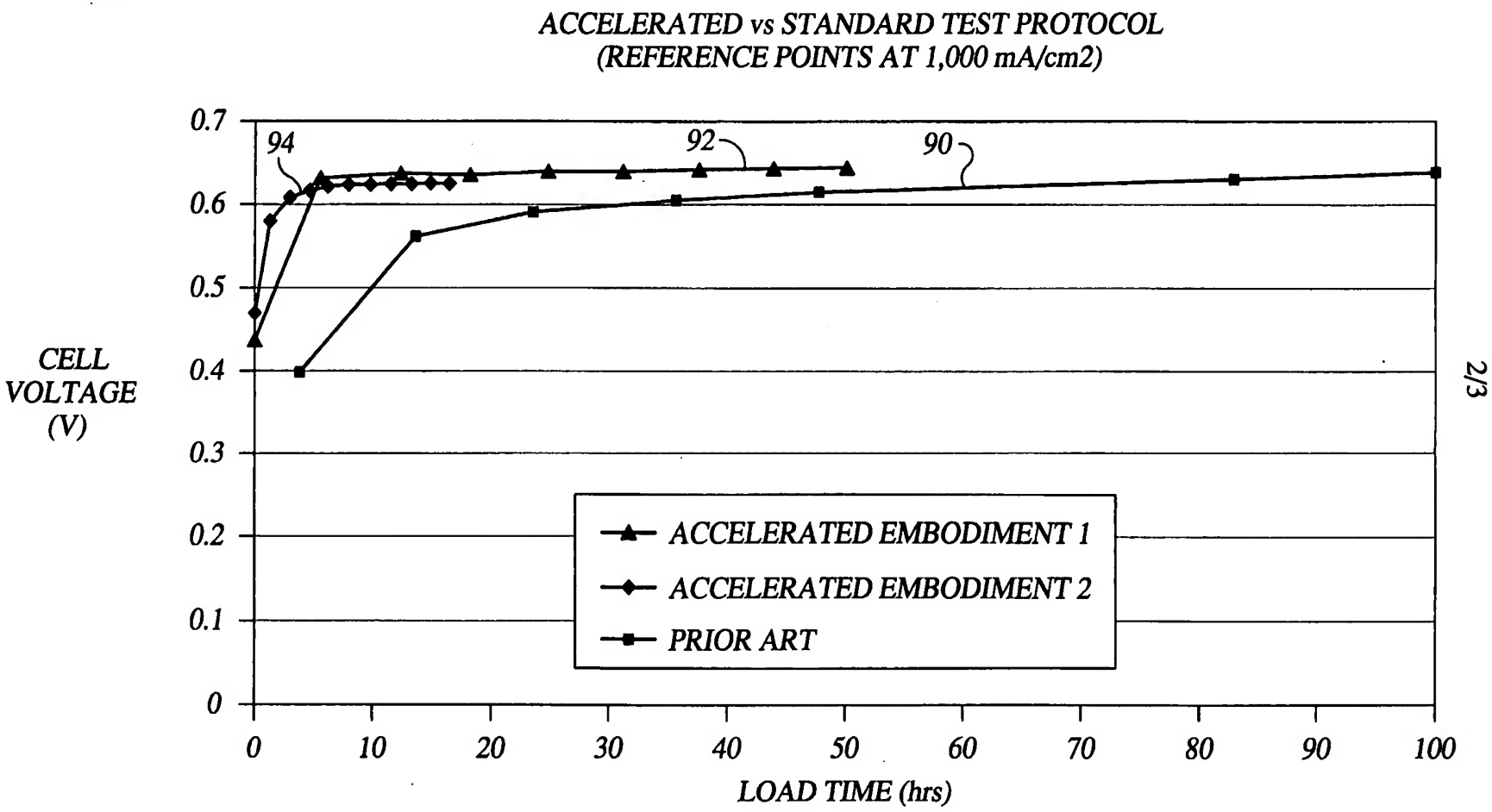
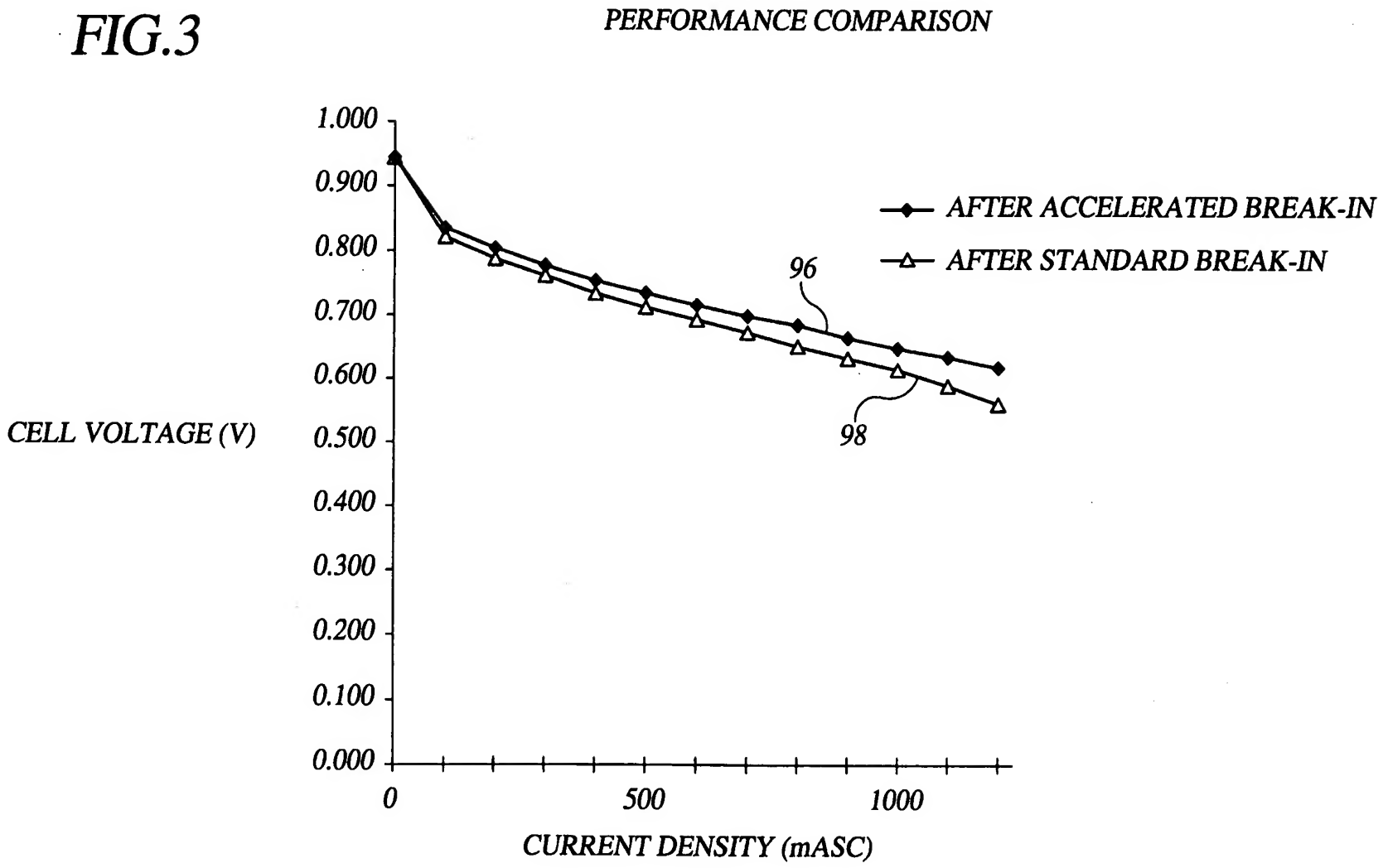

ACCELERATED vs STANDARD TEST PROTOCOL
(REFERENCE POINTS AT 1,000 mA/cm2)
CELL VOLTAGE (V)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
94
92
90
ACCELERATED EMBODIMENT 1
ACCELERATED EMBODIMENT 2
PRIOR ART
0
10
20
30
40
50
60
70
80
90
100
LOAD TIME (hrs)

FIG.3


PERFORMANCE COMPARISON
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
CELL VOLTAGE (V)
0
500
1000
CURRENT DENSITY (mASC)
AFTER ACCELERATED BREAK-IN
AFTER STANDARD BREAK-IN
96
98